

WHAT IS CLAIMED IS:

1. An exhaust header for collecting exhaust gases from an internal combustion engine, the exhaust header comprising:
 - a plurality of flanges, each having a recessed sealing surface that is configured to circumscribe an exhaust port on an internal combustion engine;
 - a plurality of gaskets comprising graphite, each located in the recessed sealing surface and configured to form separate seals between each flange and the engine around the exhaust port;
 - a plurality of head pipes in flow communication with the plurality of flanges and configured to route exhaust gases from the plurality of flanges; and
 - a collector having a plurality of inlet ports connected to the plurality of head pipes.
2. The exhaust header of Claim 1, wherein the flange comprises two bolt holes.
3. The exhaust header of Claim 2, wherein one of the two bolt holes is open to an edge of the flange.
4. The exhaust header of Claim 1, wherein the flange comprises a chamfered inside surface.
5. The exhaust header of Claim 1, wherein a depth of the recessed sealing surface is approximately 0.1 inches.
6. The exhaust header of Claim 1, wherein the recessed sealing surface has a substantially circular shape.
7. The exhaust header of Claim 1, wherein the recessed sealing surface has a substantially rectangular shape.
8. The exhaust header of Claim 7, wherein the graphite gasket comprises metal reinforcement.
9. The exhaust header of Claim 1, wherein the graphite gasket has a melting temperature of at least 2000 degrees Fahrenheit.
10. An apparatus configured to attach an exhaust pipe to an engine head to form an exhaust header for collecting exhaust gases from one or more exhaust ports from a cylinder of an internal combustion engine, the apparatus comprising:

a flange having a passageway extending therethrough, said flange further comprising:

a mating surface configured for attachment to a surface of the internal combustion engine;

a seal surface recessed below the mating surface, wherein the mating surface and the seal surface are configured to circumscribe a single exhaust port, and wherein the mating surface circumscribes the seal surface; and

a graphite gasket located on the seal surface and configured to form a seal between the surface of the internal combustion engine and the flange.

11. The apparatus of Claim 10, wherein the flange is made of metal.
12. The apparatus of Claim 11, wherein the metal is iron.
13. The apparatus of Claim 10, wherein the flange comprises two bolt holes.
14. The apparatus of Claim 10, wherein the seal surface is recessed below the mating surface approximately 0.1 inches.
15. The apparatus of Claim 10, wherein the seal surface has a substantially annular shape.
16. The apparatus of Claim 10, wherein the seal surface has a substantially rectangular shape.
17. The apparatus of Claim 10, wherein a cross-sectional area of the passageway varies.
18. The apparatus of Claim 17, wherein the cross-sectional area increases
19. A method for installing an exhaust header to a substantially flat surface of a multi-cylinder engine, the exhaust header having a plurality of exhaust pipes, each exhaust pipe being configured to collect exhaust gas from a cylinder of the multi-cylinder engine, the method comprising:

providing an exhaust header having a plurality of flanges, each flange having a mating surface and a sealing surface, the sealing surface being recessed below the mating surface, wherein the mating surface and the sealing surface circumscribe an exhaust port from the cylinder;

placing a graphite gasket against each sealing surface in the plurality of flanges;

abutting each graphite gasket against a substantially flat surface of the multi-cylinder engine;

individually compressing each graphite gasket against the substantially flat surface of the multi-cylinder engine so as to form a plurality of separate seals between the plurality of flanges and the substantially flat surface.

20. The method of Claim 19, wherein the graphite gasket protrudes above the mating surface.